

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1 1. (Currently amended) A blade support sub-assembly adapted to be used with a scraper
2 blade for scraping and cleaning a conveyor belt and with a mounting sub-assembly,
3 comprising:

4 a pair of notched receiving members, each notched receiving member having a
5 notch formed from a front vertical stabilizer and a rear vertical stabilizer, said notch for
6 receiving a scraper blade, and said pair of notched receiving members adapted for use
7 with a mounting sub-assembly;

8 a face plate extending between said pair of notched receiving members and about
9 parallel to the scraper blade such that at least a portion of the scraper blade rests flush
10 against said face plate when the scraper blade is situated in said pair of notched receiving
11 members; and

12 a means for vertically adjusting a height of the scraper blade in relation to a fixed
13 position of said pair of notched receiving members such that the scraper blade is in
14 contact with a surface of the conveyor belt to be scraped.

1 2. (Original) The blade support sub-assembly according to claim 1, wherein said means for
2 vertically adjusting the scraper blade within said notches of said pair of notched receiving
3 members comprises a horizontal blade stabilizer approximately perpendicular to and
4 extending beneath said face plate, and one or more adjustable lock bolts extending
5 upward through said horizontal blade stabilizer and in communication with a bottom
6 surface of the scraper blade, wherein rotating one said adjustable lock bolt in a first
7 direction raises said adjustable lock bolt and the scraper blade, and rotating one said

1 adjustable lock bolt in a second direction lowers said adjustable lock bolt and the scraper
2 blade.

1 3. (Original) The blade support sub-assembly according to claim 1, further comprising a
2 means for removably securing the scraper blade within said notches of said pair of
3 notched receiving members.

1 4. (Original) The blade support sub-assembly according to claim 3, wherein said means for
2 removably securing the scraper blade comprises one or more adjustable screws.

1 5. (Original) The blade support sub-assembly according to claim 1, further comprising a
2 shield attached to the scraper blade, wherein said shield extends from the scraper blade
3 and over the blade support sub-assembly.

1 6. (Original) The blade support sub-assembly according to claim 1, wherein said rear
2 vertical stabilizer is taller in height than said front vertical stabilizer.

1 7. (Original) The blade support sub-assembly according to claim 1, further comprising a
2 scraper blade having a blade insert fixed within a blade housing.

1 8. (Original) The blade support sub-assembly according to claim 1, further comprising a
2 means for spraying a liquid on the conveyor belt.

1 9. (Original) The blade support sub-assembly according to claim 8, wherein said means for
2 spraying a liquid comprises a pipeline, for transporting a liquid, having one or more
3 nozzles, a means for restricting a flow of the liquid through said pipeline, and a means for
4 securing said pipeline and said one or more nozzles in proximity to the blade support sub-
5 assembly.

10 - 10. (Original) The blade support sub-assembly according to claim 9, further comprising a shield, having one or more holes, attached to the scraper blade, wherein said shield extends from the scraper blade and over the blade support sub-assembly, wherein each of said one or more nozzles of said pipeline aligns with and extends through one of said one or more holes in said shield.

11. (Original) The blade support sub-assembly according to claim 9, wherein said shield is attached to a front of the scraper blade such that the liquid is sprayed at a point on a conveyor belt ahead of the scraper blade.

12. (Original) The blade support sub-assembly according to claim 9, wherein said shield is attached to a rear of the scraper blade such that the liquid is sprayed at a point on a conveyor belt behind the scraper blade.

13. (Original) The blade support sub-assembly according to claim 8, wherein the liquid is selected from the group consisting of water, a cleaning agent, a solvent, anti-freeze, and a dust inhibitor.

14-20 (Cancelled)

21. (Currently amended) A blade support sub-assembly adapted to be used with a scraper blade for scraping and cleaning a conveyor belt and with a mounting sub-assembly, comprising:
a pair of notched receiving members, each notched receiving member having a notch formed from a front vertical stabilizer and a rear vertical stabilizer, said notch for receiving a scraper blade, and said pair of notched receiving members adapted for use with a mounting sub-assembly;

8 a face plate extending between said pair of notched receiving members and about
9 parallel to the scraper blade such that at least a portion of the scraper blade rests flush
10 against said face plate when the scraper blade is situated in said pair of notched receiving
11 members; and
12 a means for spraying a liquid on the conveyor belt.

21 22. (Original) The blade support sub-assembly according to claim 21, wherein said means for
2 spraying a liquid comprises a pipeline, for transporting a liquid, having one or more
3 nozzles, a means for restricting a flow of the liquid through said pipeline, and a means for
4 securing said pipeline and said one or more nozzles in proximity to the blade support sub-
5 assembly.

1 23. (Original) The blade support sub-assembly according to claim 21, further comprising a
2 shield, having one or more holes, attached to the scraper blade, wherein said shield
3 extends from the scraper blade and over the blade support sub-assembly, wherein each of
4 said one or more nozzles of said pipeline aligns with and extends through one of said one
5 or more holes in said shield.

1 24. (Original) The blade support sub-assembly according to claim 23, wherein said shield is
2 attached to a front of the scraper blade such that the liquid is sprayed at a point on a
3 conveyor belt ahead of the scraper blade.

1 25. (Original) The blade support sub-assembly according to claim 23, wherein said shield is
2 attached to a rear of the scraper blade such that the liquid is sprayed at a point on a
3 conveyor belt behind the scraper blade.

- Q1 1 26. (Original) The blade support sub-assembly according to claim 21, wherein the liquid is
2 selected from the group consisting of water, a cleaning agent, a solvent, anti-freeze, and a
3 dust inhibitor.

27-30 (Cancelled)
